

UNITED STATES DISTRICT COURT
EASTERN DISTRICT OF PENNSYLVANIA

IN RE: NATIONAL FOOTBALL LEAGUE
PLAYERS' CONCUSSION INJURY
LITIGATION

No. 2:12-md-02323-AB
MDL No. 2323

Kevin Turner and Shawn Wooden,
*on behalf of themselves and
others similarly situated,*

Plaintiffs,

v.

National Football League and
NFL Properties, LLC,
successor-in-interest to
NFL Properties, Inc.,

Defendants.

Civil Action No. 2:14-cv-00029-AB

THIS DOCUMENT RELATES TO:
ALL ACTIONS

DECLARATION OF JAMES R. STONE, MD, PHD

James R. Stone, MD, PhD affirms under penalty of perjury the truth of the following facts:

1. I am an Associate Professor of Radiology and Medical Imaging (primary), Neurological Surgery (secondary), and Co-director of the University of Virginia Brain Injury and Sports Concussion Institute. My *curriculum vitae* is attached as Exhibit A.

2. I have been asked to submit this declaration in support of the objection to the proposed class action settlement in the above captioned case filed by the MoloLamken LLP law firm. I am not being compensated for my work in doing so.

3. Chronic traumatic encephalopathy (or CTE) is a unique neurodegenerative disease that is known to exist outside of ALS, Alzheimer's disease, or Parkinson's disease.

4. Repetitive brain trauma is a necessary condition for developing CTE.

5. ALS, Alzheimer's disease, and Parkinson's disease are found in the general population of individuals who have not suffered repetitive brain trauma. Suicidality does not present as a symptom of these diseases.

6. Mood and behavioral impairments such as depression, suicidality, hopelessness, impulsivity, explosiveness, rage, and aggression, although present in the general population, appear more frequently in individuals suffering from CTE than in the general population.

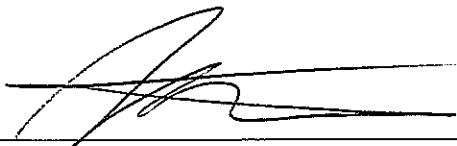
7. The mood and behavioral impairments associated with CTE can present prior to the onset of CTE-related dementia and can be the cause of significant disability and distress for the patient.

8. Based on my experience and knowledge of the clinical and scientific literature, I believe that a reliable, valid, and clinically accepted diagnosis of CTE, based, in part, on objective biomarkers, will likely be possible in the next decade, if not sooner, and long before the 65-year term of the proposed NFL Concussion Litigation Settlement expires.

9. I am not aware of the use of the diagnostic or classification categories of "Neurocognitive Impairment Level 1.0," "Neurocognitive Impairment Level 1.5," or "Neurocognitive Impairment Level 2.0" anywhere in the medical or scientific community.

Pursuant to 28 U.S.C. § 1746, I state under penalty of perjury that the foregoing is true and correct.

Dated: November 25th, 2014



James R. Stone, MD, PhD

Exhibit A

CURRICULUM VITAE

James R. Stone, MD, PhD
Associate Professor
Radiology and Medical Imaging
University of Virginia Health System

Date of Birth: July 31st, 1972

Place of Birth: District of Columbia

Home Address: 1927 Ridgetop Drive
Charlottesville, VA 22903

Address: University of Virginia Health System
Division of Interventional Radiology
1215 Lee Street
Box 800170
Charlottesville, Virginia 22908

EDUCATION

2004	M.D.	School of Medicine University of Virginia Charlottesville, Virginia
2000	Ph.D.	Medical College of Virginia Virginia Commonwealth University Richmond, Virginia
1995	B.S	Virginia Commonwealth University Richmond, Virginia

Postdoctoral training:

2009 – 2010	Clinical fellowship: Interventional Radiology University of Virginia Health System Charlottesville, Virginia
2005 - 2009	Residency: Diagnostic Radiology University of Virginia Health System Charlottesville, Virginia
2004 - 2005	Internship: General Surgery

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University of Virginia Health System
Charlottesville, Virginia

2000 - 2001

Research fellowship: Neurological Surgery

Laboratory of Dr. Gregory Helm
University of Virginia
Charlottesville, Virginia

2000

Research fellowship: Anatomy and Neurobiology

Laboratory of Dr. John Povlishock
Medical College of Virginia
Virginia Commonwealth University
Richmond, Virginia

HOSPITAL STAFF APPOINTMENTS:

2010 – Present

Staff Interventional Radiologist

University of Virginia Health System
Charlottesville, Virginia

ACADEMIC APPOINTMENTS:

2014 – Present

Associate Professor of Radiology and Medical Imaging (Primary)

Division of Interventional Radiology
University of Virginia Health System
Charlottesville, Virginia

2014 – Present

Associate Professor of Neurological Surgery (Secondary)

Department of Neurological Surgery
University of Virginia Health System
Charlottesville, Virginia

2010 – 2014

Assistant Professor of Radiology and Medical Imaging (Primary)

Department of Neurological Surgery
University of Virginia Health System
Charlottesville, Virginia

2010 – 2014

Assistant Professor of Neurological Surgery (Secondary)

Department of Neurological Surgery
University of Virginia Health System

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Charlottesville, Virginia

2003 – 2010	Research Assistant Professor of Neurological Surgery Department of Neurological Surgery University of Virginia Health System Charlottesville, Virginia
2001 – 2003	Research Instructor of Neurological Surgery Department of Neurological Surgery University of Virginia Health System Charlottesville, Virginia
1996 – 1998	Adjunct Instructor of Kinesiology College of William and Mary Williamsburg, Virginia

BOARD CERTIFICATION/LICENSURE

2012	Certificate of Advanced Qualification Vascular and Interventional Radiology American Board of Radiology
2010 – Present	United States DEA license
2009	Diagnostic Radiology American Board of Radiology
2008 – Present	Medicine and Surgery Commonwealth of Virginia

TEACHING EXPERIENCE

Lectures:

2011	Instructor: Advanced Research Design Course, School of Engineering and Applied Sciences University of Virginia
2010 – present	Interventional Radiology Fellows Case Conference (weekly)
2010 – present	Interventional Radiology Didactic Conference (quarterly)

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2010 – present	Radiology Resident Case Conference (quarterly)
2010 – present	Radiology Resident Didactic Conference (quarterly)
2000	Teaching Assistant: School of Medicine - Gross Anatomy professional course. University of Virginia.
1997	Teaching Assistant: School of Dentistry - Histology professional course Medical College of Virginia
1996 – 1998	Adjunct Instructor: Human Anatomy Laboratory Department of Kinesiology, College of William and Mary
1996	Teaching Assistant: School of Pharmacy - Gross Anatomy, Histology, Neuroscience professional courses. Medical College of Virginia.
1996	Teaching Assistant: School of Medicine - Gross Anatomy professional course. Medical College of Virginia.

Mentorships:Interventional Radiology Fellows Trained

2014-2015	Jamie All, MD, Andrew Ferdinand, MD, Nicholas Hendricks, MD, Andre Uflacker, MD, Jonathan West, MD
2013-2014	Bill Brehmer, MD, Minhajuddin Khaja, MD, Matthew Bernhard, MD, Ryan Gossage, MD, Ted Chang, MD
2012-2013	Peter Simon, MD, Curtis Anderson, MD, PhD, Sean Lyman, MD, PhD, Christina Meade, MD, Heath McCullough, MD
2011-2012	Sean Kalagher, MD, Christopher Porter, MD, R. Steve Young, MD, Charles Wehbe, MD, Jamil Muasher, MD
2010-2011	Charles Gilliland, MD, Gregory Frey, MD, Robert Short, MD, Joshua Hubbard, MD, Harun Ozer, MD

Vascular Surgery Fellows Trained

2014-2015	Tonya Flohr, MD
2013-2014	Amit Jain, MD
2012-2013	Joshua Adams, MD
2011-2012	Alvaro Zamora, MD
2010-2011	Michael Meulbeger, MD

Student/Resident/Post-doctoral fellow mentorships

2014	Christian Salinas, Radiology Resident
2014	Andre Uflacker, Radiology Resident
2013	Alex Monroe, Medical Student

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2013	Jamie Doster, Radiology Resident
2011 - 2012	Lauren Becker, Undergraduate Student
2011	Leen Jamal, Undergraduate Student
2011	Dalia Deak, Undergraduate Student
2011	Hannah Meredith, Undergraduate Student
2011	Byong Kang, Undergraduate Student
2011	Shawna Kleban, Medical Student
2011	Sarah Jeffrey, Undergraduate Student
2010 – 2011	Jing Chen, MD, Postdoctoral Fellow
2010 – 2011	Brad Billowus, Undergraduate Student
2010	Nate Coddington, Undergraduate Student
2010	Wael Darwish, MD, Postdoctoral Fellow
2008 – 2009	Tianli Lu, Medical Student
2005	Maria Alexandrescu, Medical Student
2004 – 2005	Sebastian Zavoian, Postdoctoral Fellow
2003 – 2004	Dong Kim, Undergraduate Student
2003 – 2004	Andrew Hawkins, Undergraduate Student
2003	Evelyn Boatwright, Undergraduate Student
2002	Katherine Turner, Undergraduate Student
2002 – 2004	James Mills, MD, Postdoctoral Fellow
2001 – 2003	David Rubin, Undergraduate Student
2001 – 2003	David Melon, Undergraduate Student
2001 – 2003	Jaime Wagner, Undergraduate Student
2001 – 2002	Leman Mutlu, MD, Postdoctoral Fellow
2001	Anthony Marmarou, Undergraduate Student
2001	Reena Shial, Undergraduate Student
2001	Alfa Diallo, Medical Student

HONORS/AWARDS

2008 – 2009	Resident Research Award, Department of Radiology University of Virginia
2007 – 2008	Resident Research Award, Department of Radiology University of Virginia
2003 – 2004	Society of the Cincinnati Scholarship Recipient
2002	Finalist, Posterior competition, 1 st Joint Symposium National-International Neurotrauma Societies Tampa, Florida
2002	Most outstanding research, selected for open communication lecture 1 st Joint Symposium, National-International Neurotrauma Societies Tampa, Florida
2002	Visiting Professor, University of Pennsylvania Head Injury Center Philadelphia, Pennsylvania
2001 – 2004	Joseph Collins Scholarship
2000	Most outstanding research, selected for open communication lecture National Neurotrauma Society, 19 th Annual meeting New Orleans, Louisiana
2000	Finalist, Poster competition, 5 th International Neurotrauma Symposium Garmisch, Germany

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1998 Finalist, John C. Forbes Graduate Research Competition
 1998 First Place, National Neurotrauma Society
 Graduate Student Poster Competition, Los Angeles, California
 1997 – 1998 C.C. Clayton Fellowship
 1996 – 2000 Commonwealth Graduate Fellowship,
 State Council for Higher Education in Virginia

ACADEMIC ORGANIZATIONS

2014-present Co-Chair, US Army Medical Research Materiel Command, Combat Casualty Care Research Program, Neuroimaging of Traumatic Brain Injury Working Group.

2014-present Chair, American College of Radiology Head Injury Institute, Research to Practice Committee

2014-present Co-director, University of Virginia Brain Injury and Sports Concussion Institute.

2013 Chair, American College of Radiology Head Injury Institute, Information Technology Committee

2013 Member, American College of Radiology Head Injury Institute, Science Committee

2013 UVA LCME Institutional Setting subcommittee

2013 Health System Clinical Research Program – Cardiovascular Section Grant Review Committee Member

2012 UVA Faculty Senate Cross Grounds Synergies Task Force – Co-director

2012 UVA Faculty Senate Online Learning Task Force – Member

2011- present US Army MPMC Military Operational Medicine, Research Area III Directorate, mild traumatic brain injury steering committee. External Reviewer.

2011- present American Institute of Biological Sciences. External Reviewer.

2011 Faculty search committee, Molecular Imaging Recruitment Research Division, University of Virginia Department of Radiology

2011-present Society of Interventional Radiology Standards of Practice Committee

2011 International Research Council on Biomechanics of Injury. External

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Reviewer.

2010 – 2011 Founding member, University of Virginia Brain Injury Consortium

1998 – 2000 Graduate Admissions Committee
Department of Anatomy and Neurobiology
Medical College of Virginia, Virginia Commonwealth University

1998 Faculty Promotions Committee – Dr. J. Ross McClung

CLINICAL SKILLS

- Endovascular management of peripheral vascular disease (PTA, stent, laser/mechanical atherectomy, subintimal recanalization, SAFARI, utilization of re-entry devices). Includes management of infrapopliteal disease.
- Endovascular therapy for renal artery stenosis
- Endovascular management of acute and chronic mesenteric ischemia
- Stent graft placement for management of acute and chronic thoracic and abdominal aortic disease.
- Percutaneous management of endoleaks following aortic stent graft placement.
- Percutaneous management of peripheral arterial aneurysms and pseudoaneurysms.
- Liver transplant interventions.
- Management of arterial hemoptysis
- Treatment of upper and lower GI hemorrhage
- Treatment of trauma-related hemorrhage
- Radioembolization for treatment of primary and metastatic hepatic malignancy
- Chemoembolization for treatment of primary hepatic malignancy
- Embolization for treatment of metastatic neuroendocrine hepatic disease
- Portal vein embolization
- Renal artery embolization for primary treatment of angiomyolipoma or devascularization prior to surgical nephrectomy.
- Transvenous renal biopsy
- Transjugular intrahepatic portosystemic shunt (TIPS) for management of symptomatic portal hypertension
- Balloon Retrograde Transvenous Occlusion (BRTO) for treatment of gastric varices
- Percutaneous treatment of biliary obstruction or leak
- Percutaneous management of calculous and acalculous cholecystitis
- Percutaneous management of urinary obstruction
- Endovascular therapy for uterine fibroid disease
- Placement and retrieval of inferior vena cava (IVC) filters for prevention of pulmonary embolism
- Management of acute and chronic venous occlusive disease
- Endovascular management of pulmonary embolism using mechanical thrombectomy and thrombolysis.
- Dialysis Fistula/Graft management
- Placement of tunneled or non-tunneled central venous catheters
- Port-a-cath placement

CLINICAL RESEARCH STUDIES

Principal Investigator

Title: VenaTech(TM) Convertible(TM) Vena Cava Filter U.S. Multi-Center Clinical Trial

Role: Principal Investigator

Status: Closed to enrollment

Title: A Phase III Clinical Trial of Intra-arterial TheraSphere in the Treatment of Patients with Unresectable Hepatocellular Carcinoma (HCC)

Role: Principal Investigator

Status: Open to enrollment

Title: Prospective Randomized Study of Chemoembolization Versus Radioembolization for the Treatment of Hepatocellular Carcinoma (PREMIERE) Trial.

Role: Co-Principal Investigator

Status: Protocol under review

Title: Retrospective Identification of Abdominal Aortic Aneurysm Patients that Have Undergone Computed Tomography and Positron Emission Tomography Imaging

Role: Principal Investigator

Status: Open to enrollment

Title: Retrospective Assessment of Y90 administration for treatment of hepatocellular carcinoma using positron emission tomography (PET).

Role: Principal Investigator

Status: Open to enrollment

Title: Breacher Injury Study: Evaluation of the Bio-Effects of Repeated, Low-Level Blast Exposures

Role: Principal Investigator

Status: Closed to enrollment, Performing Data Analysis

Title: Breacher Injury Study II: Re-Evaluation of the Bio-Effects of Repeated, Low-Level Blast Exposure

Role: Principal Investigator

Status: Temporarily closed to enrollment

Title: Brain Injury Biomarkers and Behavioral Characterization of mTBI in Soldiers Following Repeated, Low-Level Blast Exposure

Role: Principal Investigator

Status: Open to enrollment

Sub-Investigator

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Title: The use of Endovascular Stents in the Thoracic Aorta at the University of Virginia

Role: Sub-investigator

Status: Open to enrollment

Title: Off-line analysis of color-coded blood flow angiography

Role: Sub-Investigator

Status: Open to enrollment

Title: Acute Venous Thrombosis: Thrombus Removal With Adjunctive Catheter-Directed Thrombolysis (The ATTRACT Trial)

Role: Sub-investigator

Status: Open to enrollment

Title: Evaluation of the GORE Conformable TAG Thoracic Endoprosthesis for Treatment of Acute Complicated Type B Aortic Dissection: TAG 08-01

Role: Sub-investigator

Status: Closed to enrollment, follow-up only

Title: Prospective, Multicenter, Randomized Controlled Trial of Endovascular Aneurysm Repair Using a Bilateral Percutaneous Approach (PEVAR) vs. Standard Approach (SEVAR) Using the IntuiTrak Endovascular AAA Delivery System

Role: Sub-investigator

Status: Closed to enrollment, follow-up only

Title: Zenith TX2 TAA Endovascular Graft Post-Approval Study

Role: Sub-investigator

Status: Open to enrollment

Title: CRUX Biomedical Evaluation of the Crux Inferior Vena Cava Filter System 2 - ("RETRIEVE2")

Role: Sub-investigator

Status: Closed to enrollment, follow-up only

Title: A Phase IV Clinical Study to Evaluate the Safety of MR-Guided Focused Ultrasound Treatment of Uterine Fibroids With Enhanced Sonication Techniques

Role: Sub-investigator

Status: Open to enrollment

Title: Patient Long-Term Follow-Up to Collect Data Following MR-Guided Focused Ultrasound Treatment of Uterine Fibroids with Enhanced Sonication Techniques

Role: Sub-investigator

Status: Open to enrollment

Title: Clinical Study to Evaluate the Safety and Effectiveness of the Zenith Branch Endovascular Graft-Iliac Bifurcation with the ConnectSX

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Role: Sub-investigator
Status: Open to enrollment

Title: Post Approval Study Evaluating the Long Term Safety and Effectiveness of the Endurant Stent Graft System (ENGAGE PAS)

Role: Sub-investigator
Status: Open to enrollment

Title: A Clinical Study to Evaluate Safety of the ExAblate Model 2100 Type 1.1 System (ExAblate 2100/2200 UF V2 System) in the Treatment of Symptomatic Uterine Fibroids

Role: Sub-investigator
Status: Open to enrollment

Title: Patient Long-Term Follow-Up To Collect Data Following MR-Guided Focused Ultrasound Treatment of Uterine Fibroids With ExAblate Model 2100 Type 1.1 System

Role: Sub-investigator
Status: Open to enrollment

Title: Randomized Trial of IN.PACT(Paclitaxel) Admiral Drug-Eluting Balloon (DEB) vs Standard PTA for the Treatment of Atherosclerotic Lesions in the Superficial Femoral Artery (SFA) and/or Proximal Popliteal Artery (PPA)("SFA II")

Role: Sub-investigator
Status: Open to enrollment

Title: Zenith TX2 Low Profile Endovascular Graft for Blunt Thoracic Aortic Injury Clinical Study

Role: Sub-investigator
Status: Open to enrollment

Title: A Randomized, Multicenter, Double-Blind, Placebo-Controlled Study of AC607 for the Treatment of Acute Kidney Injury in Cardiac Surgery Subjects

Role: Sub-investigator
Status: Open to enrollment

Title: Use of the Zenith Dissection Endovascular System in the Treatment of Patients with Acute, Complicated Type B Aortic Dissection.

Role: Sub-investigator
Status: Open to enrollment

PAST AND PRESENT FUNDING

Sponsor:	General Electric
Title:	PET imaging of inflammation in a rodent TBI model
Role:	Principal Investigator
Period:	11/1/14 – 12/31/15
Amount:	\$108,290

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Sponsor: US Army Medical Research and Materiel Command
Title: Functional and structural changes in cerebral vasculature following exposure to blast overpressures associated with TBI in military personnel
Role: Co-Principal Investigator
Period: 12/1/2014 – 9/30/2017
Amount: \$1,073,569

Sponsor: US Army Medical Research and Materiel Command
Title: Developing occupational standards for blast exposure.
Role: Principal Investigator
Period: 12/1/2014 – 9/30/2019
Amount: \$1,500,005

Sponsor: US Navy Bureau of Medicine
Title: Neuroimaging correlates of low-level blast exposure in experience military breachers
Role: Principal Investigator
Period: 9/1/2012 – 5/30/2015
Amount: \$343,659

Sponsor: US Army Medical Research and Materiel Command
Title: Brain Injury Biomarkers and Behavioral Characterization of mTBI in Soldiers Following Repeated, Low-Level Blast Exposure
Role: Principal Investigator
Period: 6/1/2009 – 5/30/2015
Amount: \$1,261,014

Sponsor: US Army Medical Research and Materiel Command
Title: Toward development of a field-deployable imaging device for TBI
Role: Principal Investigator
Period: 2/7/2011 – 2/06/2015
Amount: \$1,052,400

Sponsor: DARPA
Title: Re-evaluation of the Bio-Effects of Repeated, Low-Level Blast Exposures
Role: Principal Investigator
Period: 7/1/2009 – 8/31/2014
Amount: \$681,525

Sponsor: Sirtex Medical, Ltd.
Title: The QUEST trial: Site Assessment Study
Role: Principal Investigator
Period: 7/1/2013 – 6/30/2014
Amount: \$8,164

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Sponsor: Society of Interventional Radiology/Society of Vascular Surgery
Title: Predicting the Safety and Effectiveness of Inferior Vena Cava Filters (PRESERVE) trial
Role: Core Lab Principal Investigator
Period: TBD – 5 yr period of performance
Amount: \$980,000

Sponsor: B. Braun Interventional Systems
Title: VenaTech(TM) Convertible(TM) Vena Cava Filter U.S. Multi-Center Clinical Trial
Role: Principal Investigator
Period: 5/1/2012 – 4/30/2015
Amount: \$260,121

Sponsor: US Army Medical Research and Materiel Command
Title: Neuroimaging of biomarkers for combat relevant Traumatic Brain Injury
Role: Co-Principal Investigator
Period: 7/1/2009 – 9/30/2013
Amount: \$4,291,303

Sponsor: Office of Naval Research
Title: Histopathology of Experimental Blast Induced TBI
Role: Principal Investigator
Period: 1/1/2009 – 12/31/2009
Amount: \$44,133

Sponsor: SIR Foundation
Title: Preclinical evaluation of systemic Sorafenib (Nexavar) administration following trans-arterial chemoembolization (TACE) in a rodent model of hepatocellular carcinoma (HCC).
Role: Principal Investigator
Period: 6/1/2008 – 6/1/2009
Amount: \$25,000

Sponsor: Office of Naval Research (ONR)
Title: Breacher Injury Study
Role: Co-Principal Investigator
Period: 12/13/2007 – 12/31/2008
Amount: \$405,000

Sponsor: Department of Defense (DARPA)
Title: Physiologic Response to Blast in the Protected Subject
Role: Co-Principal Investigator
Period: 7/1/2005 to 6/30/2006
Amount: \$105,000

Sponsor: Commonwealth Neurotrauma Initiative
Title: Secondary Injury Mechanisms in Traumatic Brain Injury
Role: Co-Principal Investigator
Period: 2/1/2002 to 1/31/2004
Amount: \$450,000

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Sponsor: Commonwealth Neurotrauma Initiative
 Title: Novel Therapeutic Interventions in Traumatic Brain Injury
 Role: Collaborator
 Period: 2/1/2002 to 1/31/2004
 Amount: \$258,000

Sponsor: Alzheimer's Association
 Title: Alzheimer's-Associated Beta-Amyloid Peptide and Traumatic Brain Injury: mechanisms of formation and therapeutic intervention.
 Role: Co-Principal Investigator
 Period: 9/1/2001 to 8/31/2003
 Amount: \$79,000

LECTURES/PRESENTATIONS

- 2014 Blast Occupational Standards Program. General Electric Global Research TBI symposium.
- 2014 Neuroimaging of traumatic brain injury. Health Occupation Students of America Virginia Commonwealth Annual Meeting.
- 2014 Positron emission tomography (PET) imaging of traumatic brain injury. Practical PET Imaging for Clinicians and Biologists for Research and Patient Management.
- 2014 Neuroimaging of biomarkers for combat relevant traumatic brain injury. Fort Campbell National Intrepid Center of Excellence TBI Symposium.
- 2014 Neuroimaging of biomarkers for combat relevant traumatic brain injury. Fort Detrick Combat Casualty Care Research Program, Interim Program Review.
- 2013 Use of *syngo* iFlow to assess dynamic flow during vascular interventional procedures. World Congress of Interventional Oncology 2013 meeting. Siemens session.
- 2013 *Syngo* DynaCT applications in interventional radiology. World Congress of Interventional Oncology 2013 meeting. Siemens session.
- 2013 Angiosome-directed lower extremity revascularization for treatment of ischemic ulcer disease. Podiatry clinical outreach seminar.
- 2013 Advanced neuroimaging tools for detection of traumatic brain injury. Grand Rounds. Department of Neurological Surgery. University of Washington.
- 2012 UVA Neurotrauma laboratory research update, Department of Neurological Surgery, University of Virginia, Research Conference
- 2012 Neuroimaging correlates of repetitive blast exposure in human military service members. Dean's new faculty seminar series. University of Virginia.

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- 2011 Long Term Sequelae of Combat Relevant Traumatic Brain Injury, Neurotrauma Grand Rounds, Medical Research and Materiel Command, Fort Detrick, Frederick, MD
- 2011 Neuroimaging of Biomarkers for Combat Relevant Traumatic Brain Injury, Interim Project Review, Medical Research and Materiel Command, Herndon, VA
- 2011 Neuroimaging correlates of repetitive low-level blast exposure in human military breachers. Virginia Commonwealth University Traumatic Brain Injury Spring Seminar Series
- 2010 Neuroimaging of low-level blast exposure in US Marine Corp Breachers. Department of Psychology, University of Virginia, Research Conference
- 2010 Neuroimaging correlates of repetitive low-level blast in US Marine Corp Breacher Instructors and Trainees, Department of Radiology, Keynote lecture, Annual Research Week
- 2010 Research update, Virginia Neurotrauma Laboratory, Department of Neurological Surgery, University of Virginia, Research Conference
- 2010 Kiwi Breacher Study, Neuroimaging Update, Walter Reed Army Institute of Research
- 2010 Neuroimaging correlates of blast exposure in a small animal experimental overpressure model and in human military breachers. Advanced Technology Applications for Combat Casualty Care, St. Pete Beach
- 2008 Breacher Injury Study. Office of Naval Research Investigators Meeting
- 2007 Microstructural damage in traumatic blast injury, DARPA update on blast research conference (2007)
- 2007 Neuroimaging and toxicological evaluations following repeated low-level blast exposure. DARPA PREVENT kick-off meeting, New York, NY (2007)
- 2007 Magnetic Resonance Imaging as a diagnostic and research tool in blast-induced Traumatic Brain Injury, Technical Support Working Group (2007)
- 2007 Neuroimaging evaluation of breacher trainees following repeated low-level blast exposure, Applied Research Associates, update on research meeting (2007)
- 2007 Traumatic Axonal Injury: Elucidation of Injury mechanisms and identification of targets for therapeutic intervention. W.M. Keck Center for Cellular Imaging, FRET Microscopy Workshop, University of Virginia (2007)
- 2006 Development of Biologically Meaningful Blast Injury Criteria, Technical Support Working Group (2006)

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- 2005 Utilization of Tissue FRET to Explore Role of Bcl-2-related Proteins in Traumatic Axonal Injury Following Traumatic Brain Injury. W.M. Keck Center for Cellular Imaging FRET workshop.
- 2005 Brain Injury from Blast – Preliminary Results, DARPA update on blast research conference.
- 2005 Neuropathology of blast-induced traumatic brain injury, Walter Reed Army Medical Center, Defense and Veterans Brain Injury Center (2005)
- 2004 Mechanisms of Traumatic Axonal Injury Pathogenesis. Commonwealth Neurotrauma Initiative Investigators Meeting.
- 2002 Relationship of 40kD, 10kD, and 3kD fluorescent indicators of altered axolemmal permeability to impaired axonal transport in Traumatic Axonal Injury. National Neurotrauma Society Annual Meeting.
- 2002 Characterization of the heterogeneous axonal response to Traumatic Brain Injury. University of Pennsylvania Head Injury Center Grand Rounds.
- 2001 Caspase-3 cleavage of Amyloid Precursor Protein and Deposition of A β peptide in TBI: A mechanism for axonal death? European Neurocritical Care Conference, Innsbruck, Austria.
- 1999 Immunolocalization of impaired axonal transport and neurofilament disruption in traumatic axonal injury. Virginia Commonwealth University Neurotrauma Fall Seminar.
- 1999 Immunofluorescent co-localization of Amyloid Precursor Protein and RM014 within distinct classes of Traumatically Injured Axons. Society for Neurosciences Annual Meeting.

EDITORIAL ACTIVITIES

- Journal of Vascular and Interventional Radiology, Manuscript Reviewer
- Experimental Neurology, Manuscript Reviewer
- Journal of Neuroscience Methods, Manuscript Reviewer
- Journal of Neurotrauma, Manuscript Reviewer
- Neuroimage, Manuscript Reviewer
- Neurosurgery, Manuscript Reviewer
- New England Journal of Medicine, Manuscript Reviewer
- Journal of Clinical Investigation, Manuscript Reviewer
- Science Translational Medicine, Manuscript Reviewer
- Cardiovascular and Interventional Radiology, Manuscript Reviewer
- JAMA Neurology (Formerly the Archives of Neurology), Manuscript Reviewer

BIBLIOGRAPHY

Publications:

1. Banizs AB, Huang T, Dryden K, Berr SS, **Stone JR**, Nakamoto RK, He J. *In vitro* evaluation of endothelial exosomes as carriers for siRNA delivery. *Int J Nanomedicine* (2014) 9:4223-30
2. Tustison NJ, Cook PA, Klein A, Song G, Sandhitsu DR, Duda JT, Kandel BM, Strien NV, **Stone JR**, Gee JC, Avants BB. Large-Scale Evaluations of ANTs and FreeSurfer Cortical Thickness Measurements. *Neuroimage* (2014). 99:166-79
3. Tustison NJ, Avants BB, Cook PA, Kim J, Whyte J, Gee JC, **Stone JR**: Logical Circularity in Voxel-Based Analysis: normalization strategy may induce statistical bias, *Hum Brain Mapp.* (2014) 35(3):745-59
4. Gandy S, Ikonomic MD, Mitsis E, Elder G, Ahlers ST, Barth J, **Stone JR**, DeKosky ST. Chronic Traumatic Encephalopathy: Clinical-Biomarker Correlations and Current Concepts in Pathogenesis. *Mol Neurodegen.* (2014). 9:37.
5. Rueb GR, Brady WJ, Gilliland CA, Patrie JT, Saad WE, Sabri SS, Park AW, **Stone JR**, Angle JF. Characterizing Cardiopulmonary Arrest during Interventional Radiology Procedures. *J Vasc Interv Radiol.* (2013) 24(12):1774-8.
6. Gabler LF, **Stone JR**, Mourad PD, Crandall JR, Salzar RS, Region Specific Viscoelastic Properties of the Adult Rat Brain under Indentation following Traumatic Brain Injury, *Proc Ircobi Conf.* (2013) paper no. IRC-13-52, pp. 470- 482.
7. Choudhri AF, Norton PT, Carr TM, **Stone JR**, Hagspiel KD, Dake MD. Diagnosis and Treatment Planning of Acute Aortic Emergencies Using a Handheld DICOM Viewer. *Emergency Radiology.* (2013) 20(4):267-72.
8. Saad WE, Kalagher S, Turba UC, Sabri SS, Park AW, **Stone J**, Angle JF, Matsumoto AH. Ureteric Embolization for Lower Urinary Tract Fistulae: Use of Two Amplatzer Vascular Plugs and N-Butyl Cyanoacrylate Employing the "Sandwich" Technique. *Cardiovasc Intervent Radiol.* (2012) 36(4):1068-72.
9. Choudhri AF, Carr TM, Ho CP, **Stone JR**, Gay SB, Lambert DL. Handheld Device Review of Abdominal CT for the Evaluation of Acute Appendicitis. *J Digit Imaging.* (2012) 25(4):492–6.
10. Ahlers ST, Vasserman-Stokes E, Shaughnessy MC, Hall AA, Shear DA, Chavko M, McCarron MR, **Stone JR**. Assessment of the Effects of Acute and Repeated Exposure to Blast Overpressure in Rodents: Towards a Greater Understanding of Blast and the Potential Ramifications for Injury in Humans Exposed to Blast. *Frontiers in Neurotrauma.* (2012) 3:32.
11. Tustison NJ, Cook PA, Avants BB, **Stone JR**. Simulated Diffusion-Weighted Imaging for the ITK Masses, *Insight Journal* (2011), <http://hdl.handle.net/10380/3315>.

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